

Town of Sterling – Water District #2  
Project Update  
December 11, 2023



**Recap and Project Critical Path (need to resolve tank selection):**

1. C2AE received the signed agreement between CCWSA and Town on 8/11/23. This was needed to finalize the updated Preliminary Engineering Report (PER).
2. C2AE sent revised PER to NYSDOH on 8/29/23.
3. Updated tank sizing calcs were requested by NYSDOH from C2AE on 10/2/23.
4. C2AE provided tank sizing calculation to NYSDOH on 10/3/23.
5. Because the service area changed and tank is no longer serving WD #3, NYSDOH expressed concerns about tank being oversized on 10/3/23.
6. A conference call was held between C2AE and NYSDOH on 10/5/23. A follow-up email with reasoning for tank size and justification was sent on 10/5/23. Review attached email.
7. NYSDOH sent an email on 11/30/23 stating they are not “on board” with the tank as proposed. They still feel it is oversized.
8. C2AE asked for meetings with NYSDOH to discuss the tank sizing on 12/1/23 and again on 12/7/23 with no response to date.
9. C2AE has finalized the design documents – tank selection is the last item until documents are complete.

**Review Tank Options**

Town of Sterling

Water District #2 - Opinion of Probable Tank Costs

Life Cycle Analysis (30 Years)

Item	113' Standpipe Tank 415,000 gallons	92' Standpipe Tank 338,000 gallons	113' Concrete Elevated Tank 125,000 gallon	92' Concrete Elevated Tank 125,000 gallon	113' Steel Elevated Tank 125,000 gallons	92' Steel Elevated Tank 125,000 gallons
Capital Costs	\$990,000	\$875,000	\$1,910,000	\$1,860,000	\$1,155,000	\$1,055,000
Total Annual O&M (Minor maintenance and inspections)	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Life Cycle Analysis						
Base 30 Yr OMB Circular Discount Rate	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Planning Period YR's	30	30	30	30	30	30
Present Worth Calculation	\$22,396	\$22,396	\$22,396	\$22,396	\$22,396	\$22,396
Salvage	\$0	\$0	\$0	\$0	\$0	\$0
*Paint tank at year 25	\$0	\$0	\$0	\$0	\$675,000	\$675,000
30-year Life Cycle Analysis	<b>\$1,012,396</b>	<b>\$897,396</b>	<b>\$1,932,396</b>	<b>\$1,882,396</b>	<b>\$1,852,396</b>	<b>\$1,752,396</b>

Notes

1. 113' tanks are able to serve the entirety of the Town of Sterling
2. 92' tanks are sized for Water District #2